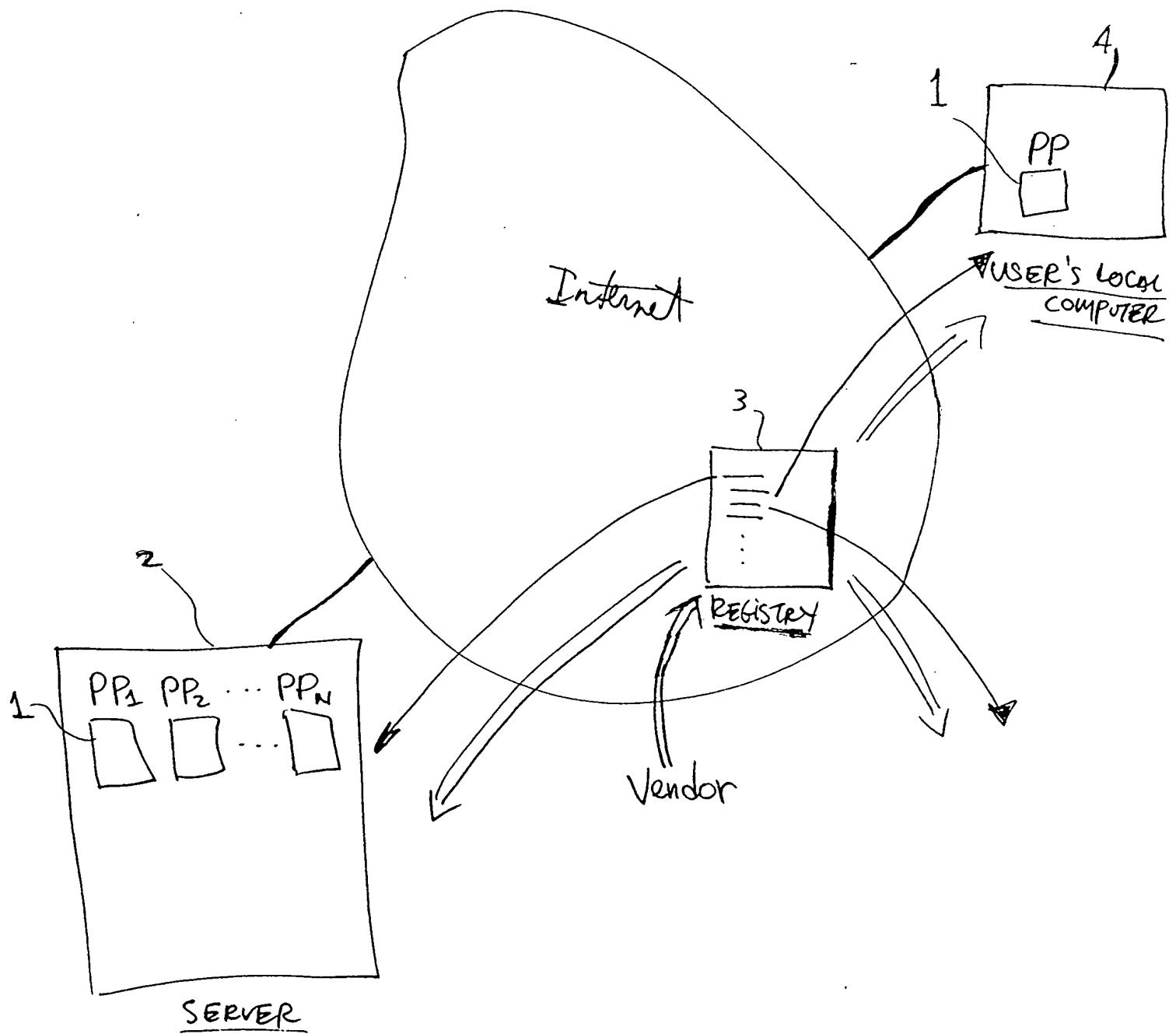


FIG. 1A

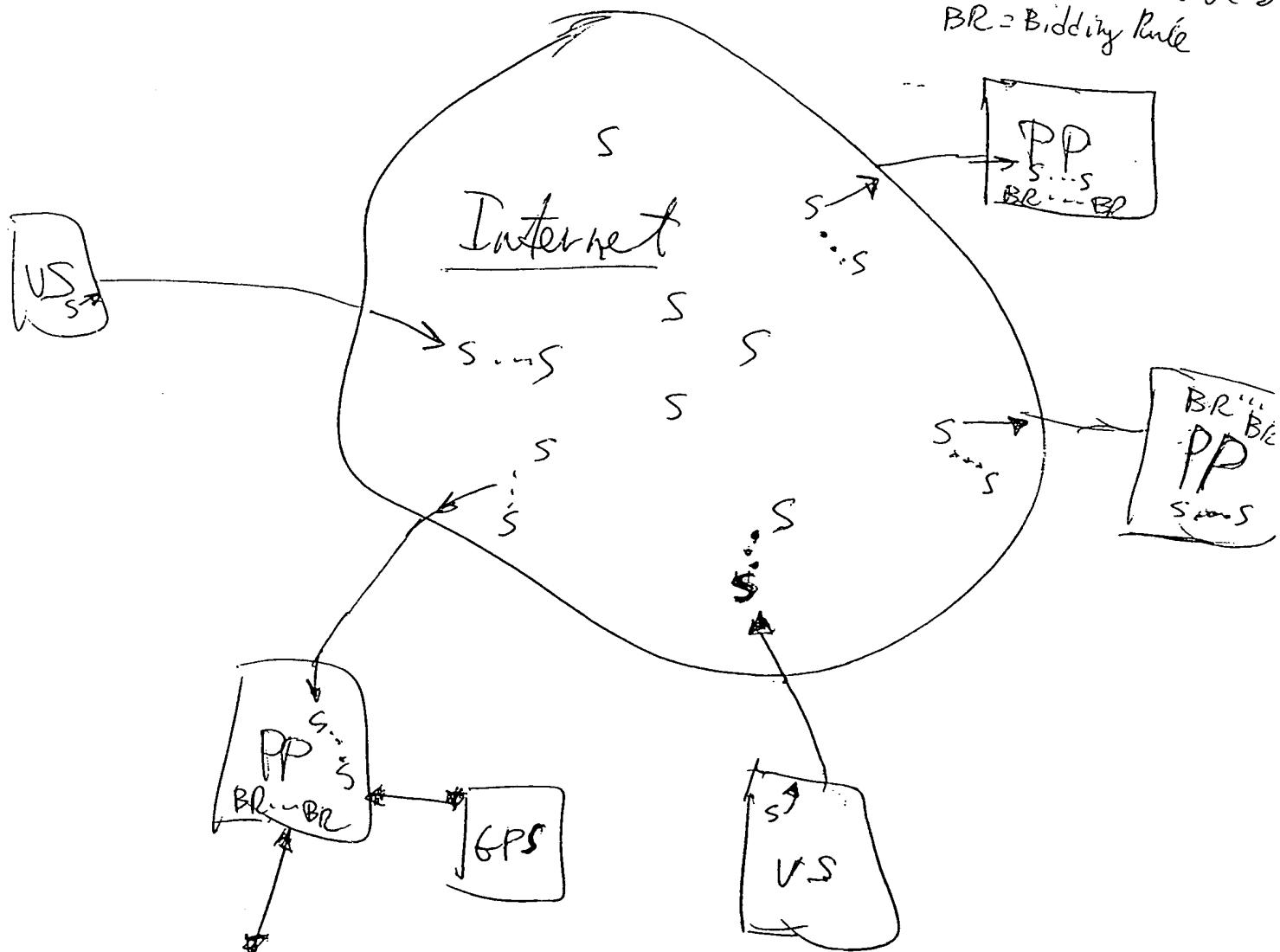


PP = personal page

→ indicates network address  
↔ indicates software access

PP = personal page  
VS = vendor site

S = vendor site  
BR = Bidding Rule



Telephone

Fig 1B

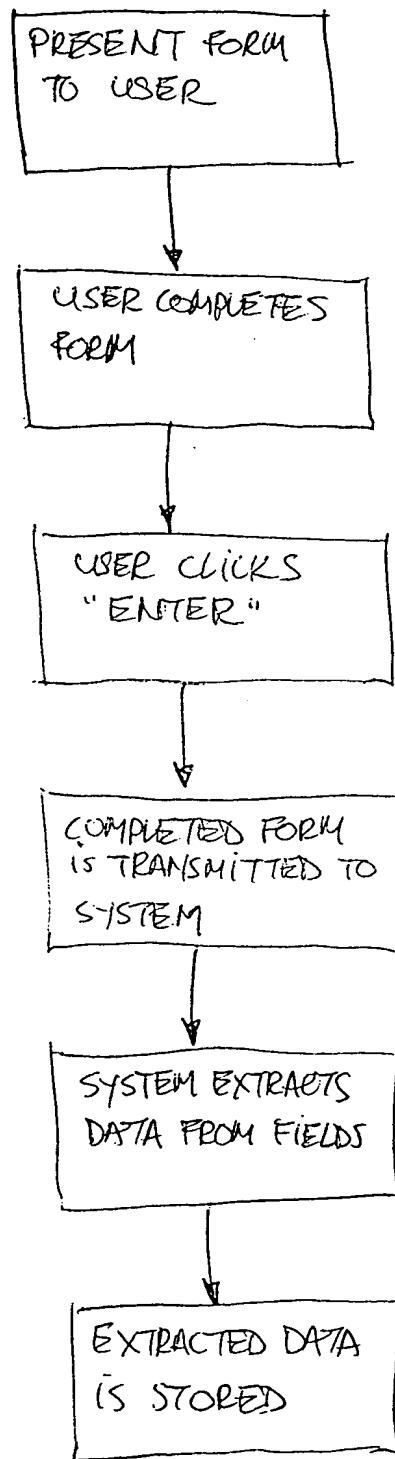


Fig 2

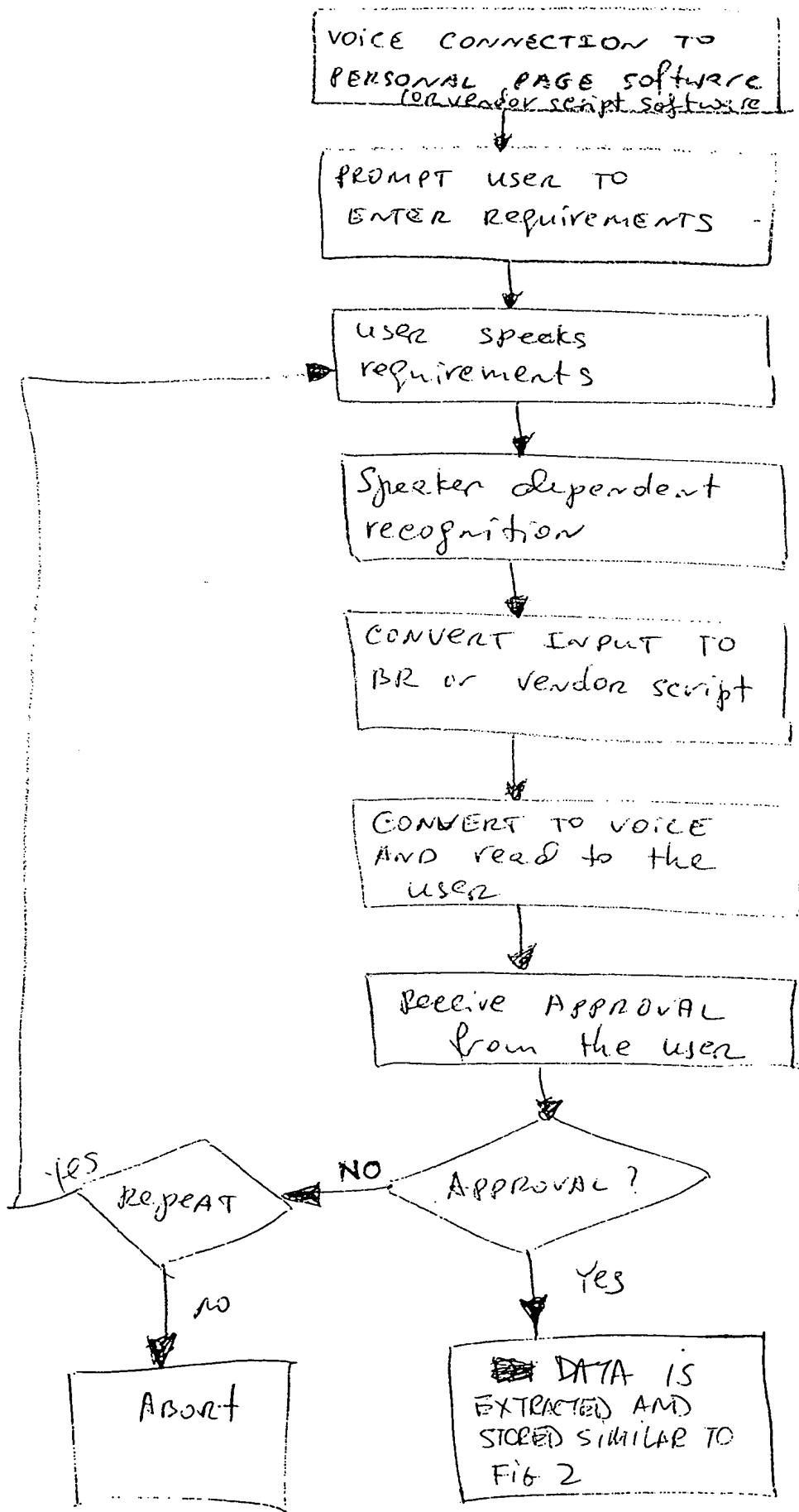


Fig 3

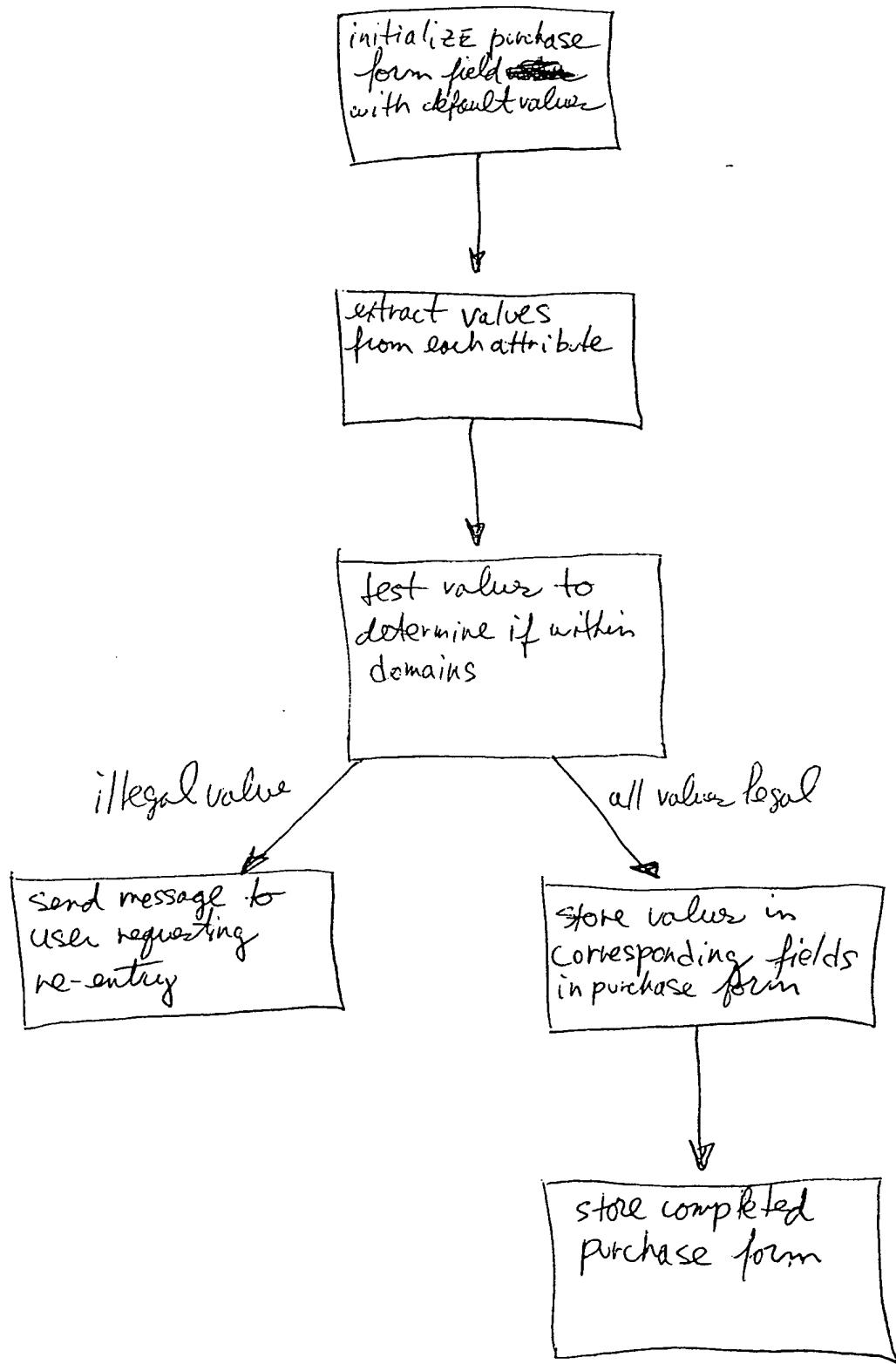


FIG 4

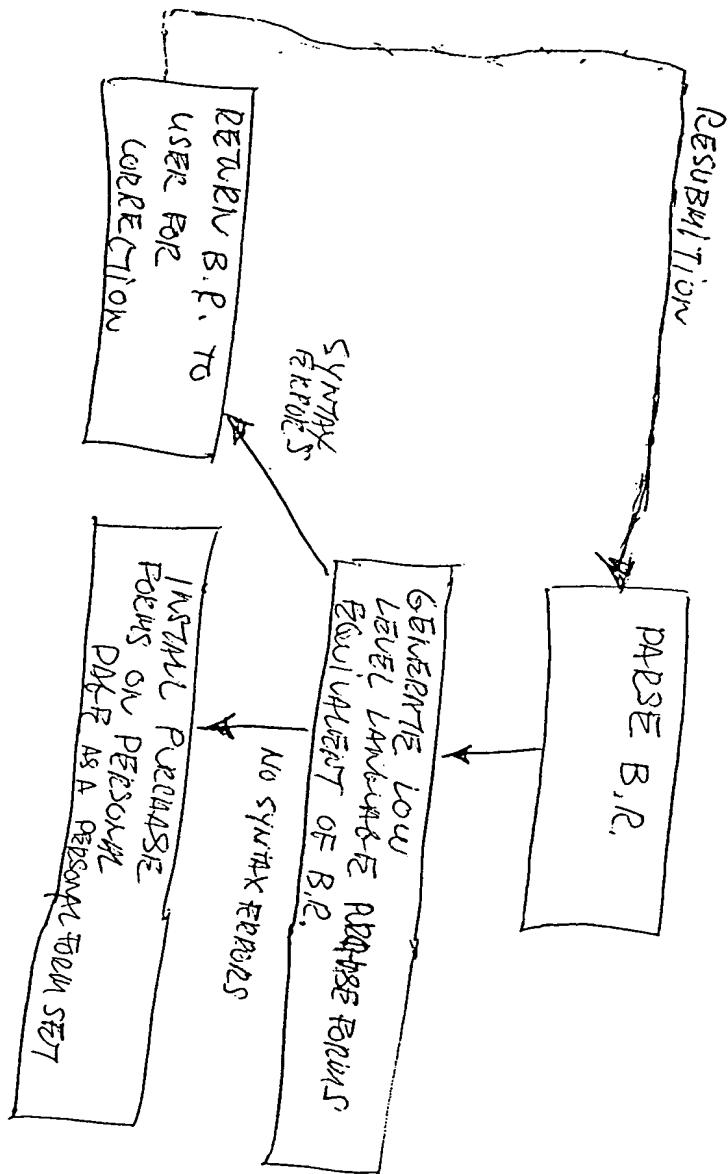


Fig 5

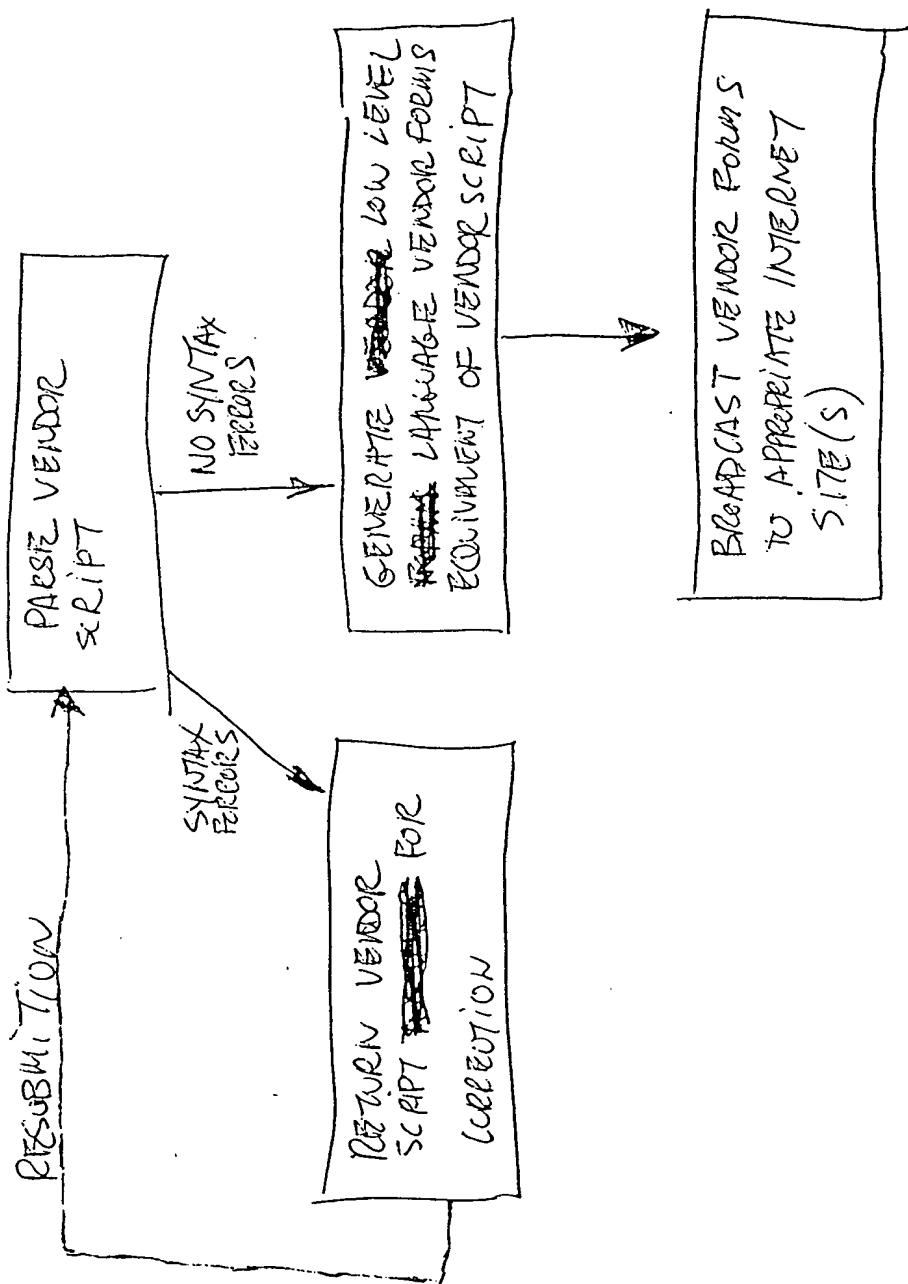
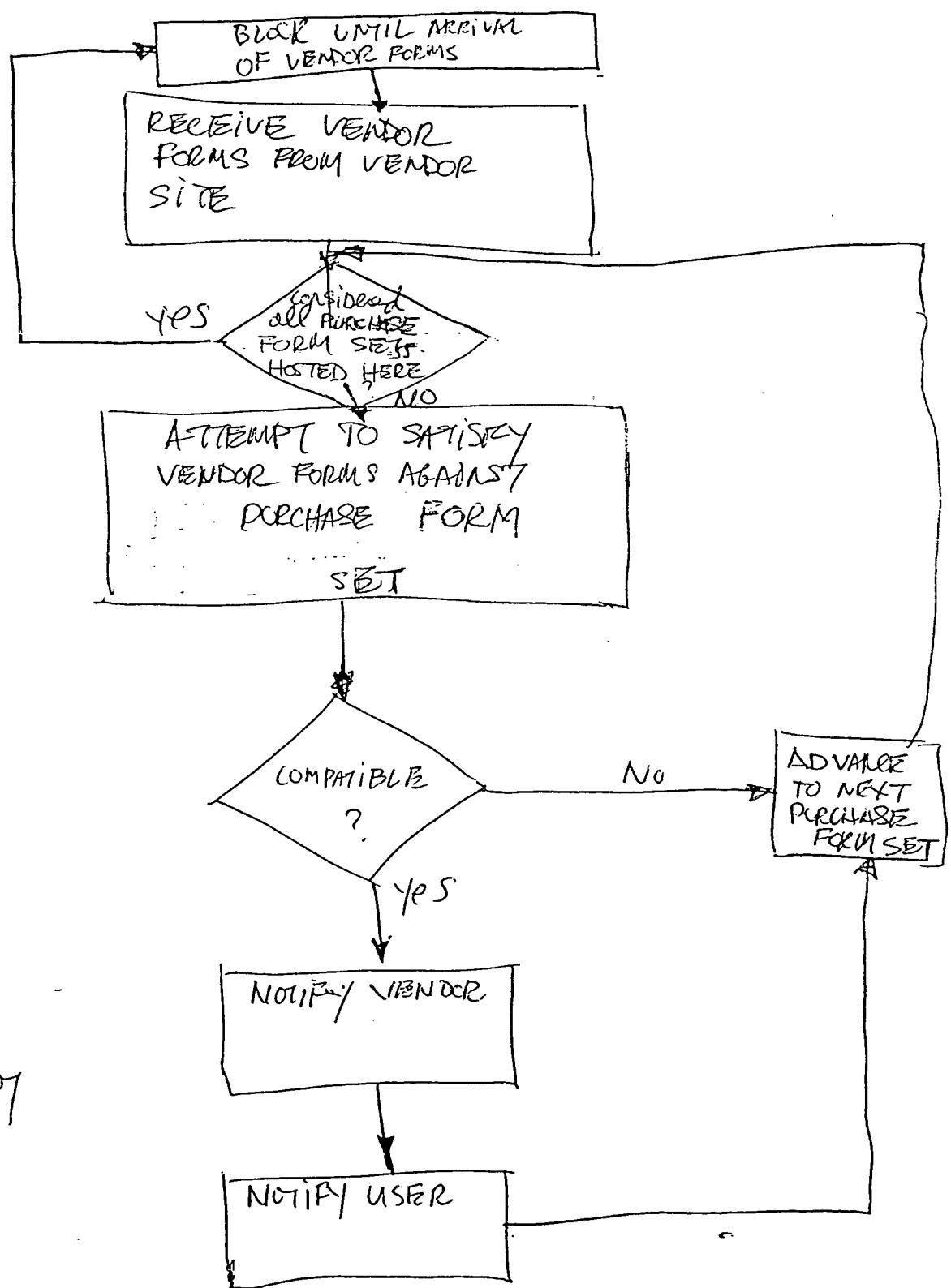


Fig 6



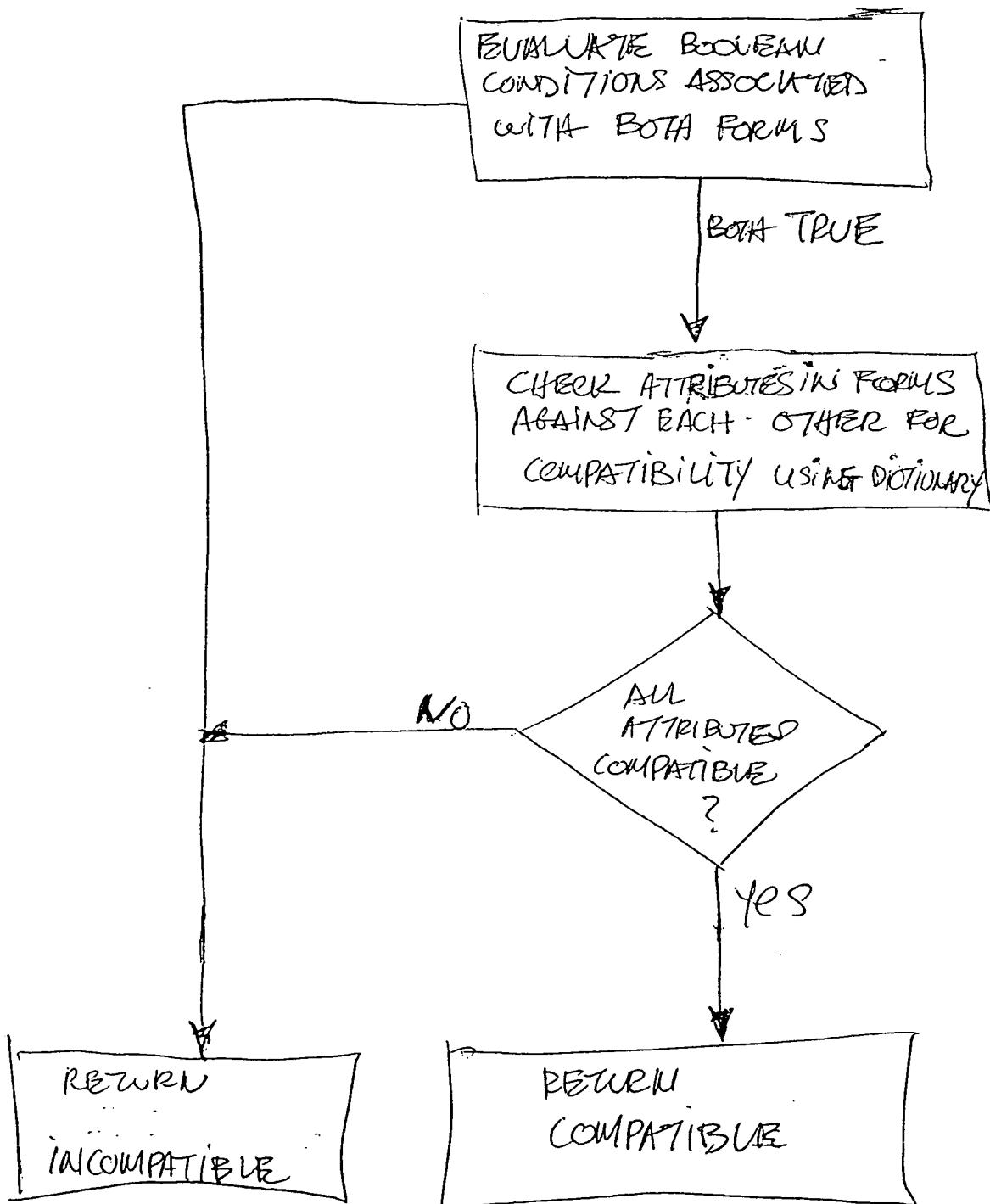


Fig 8

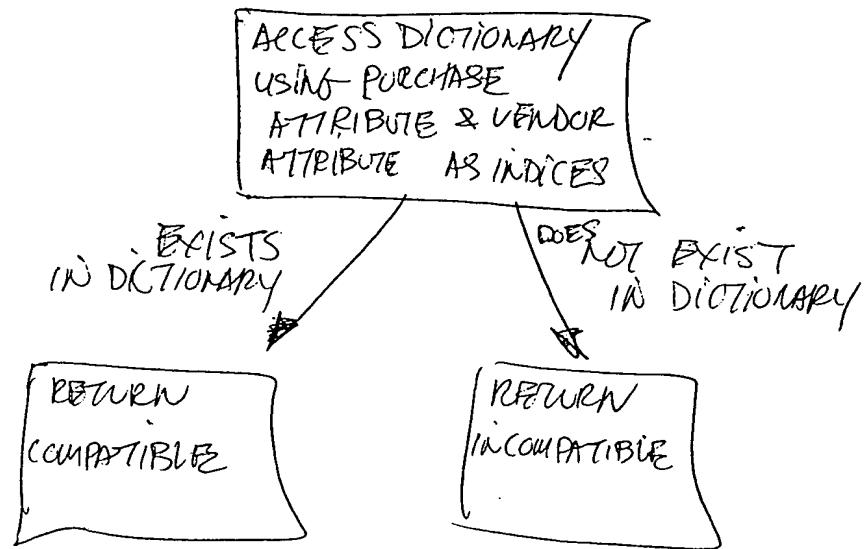


Fig 9

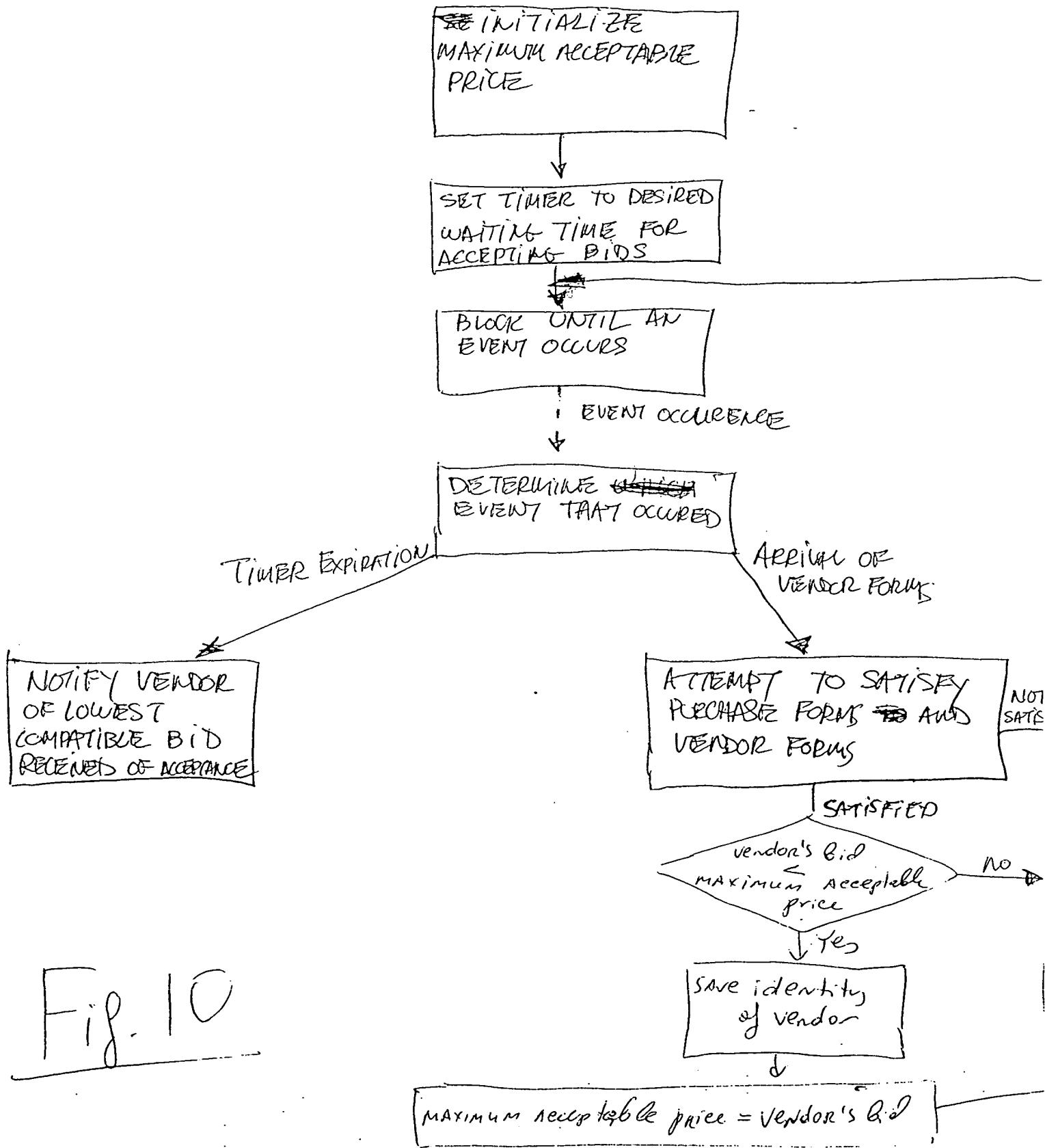
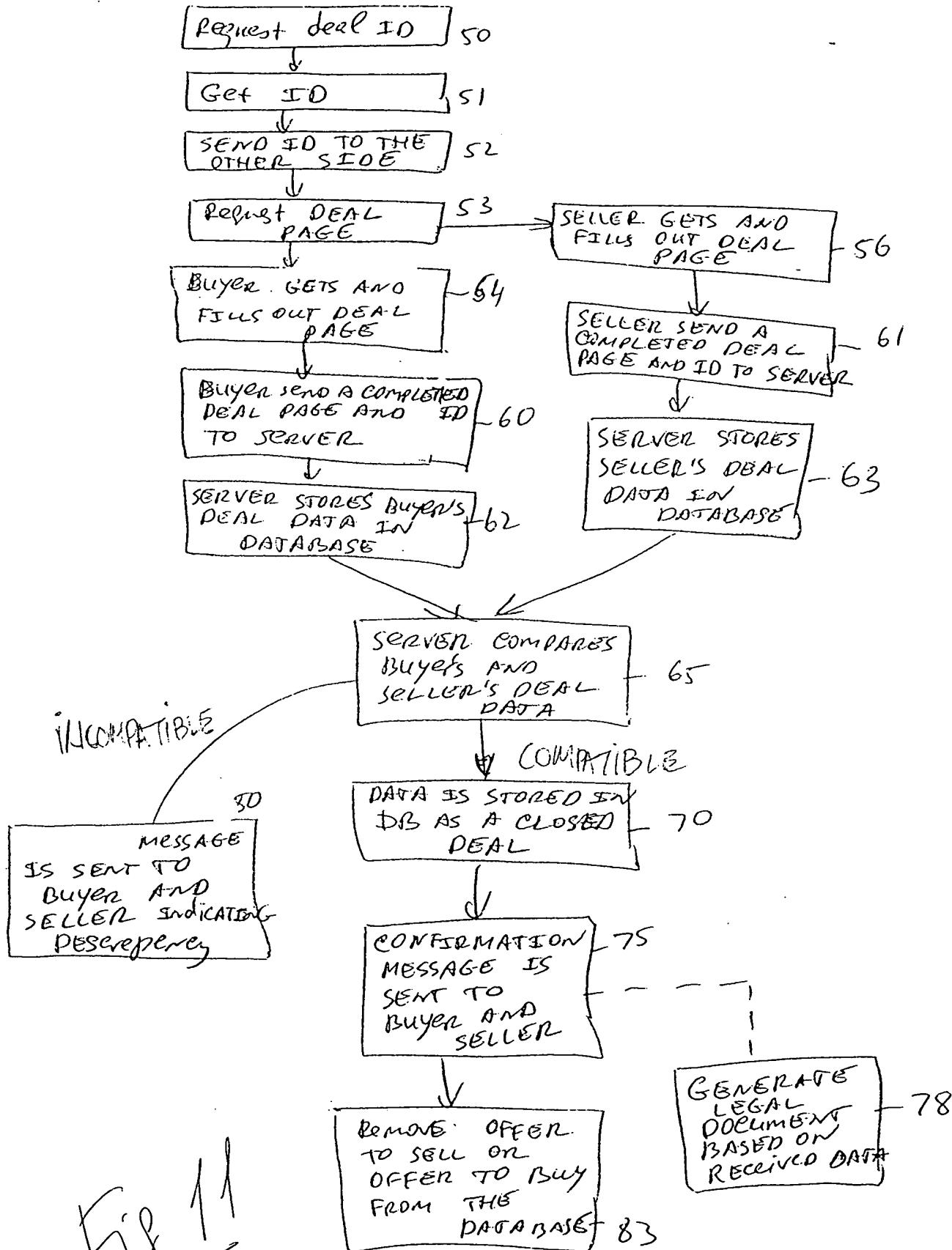


Fig. 10



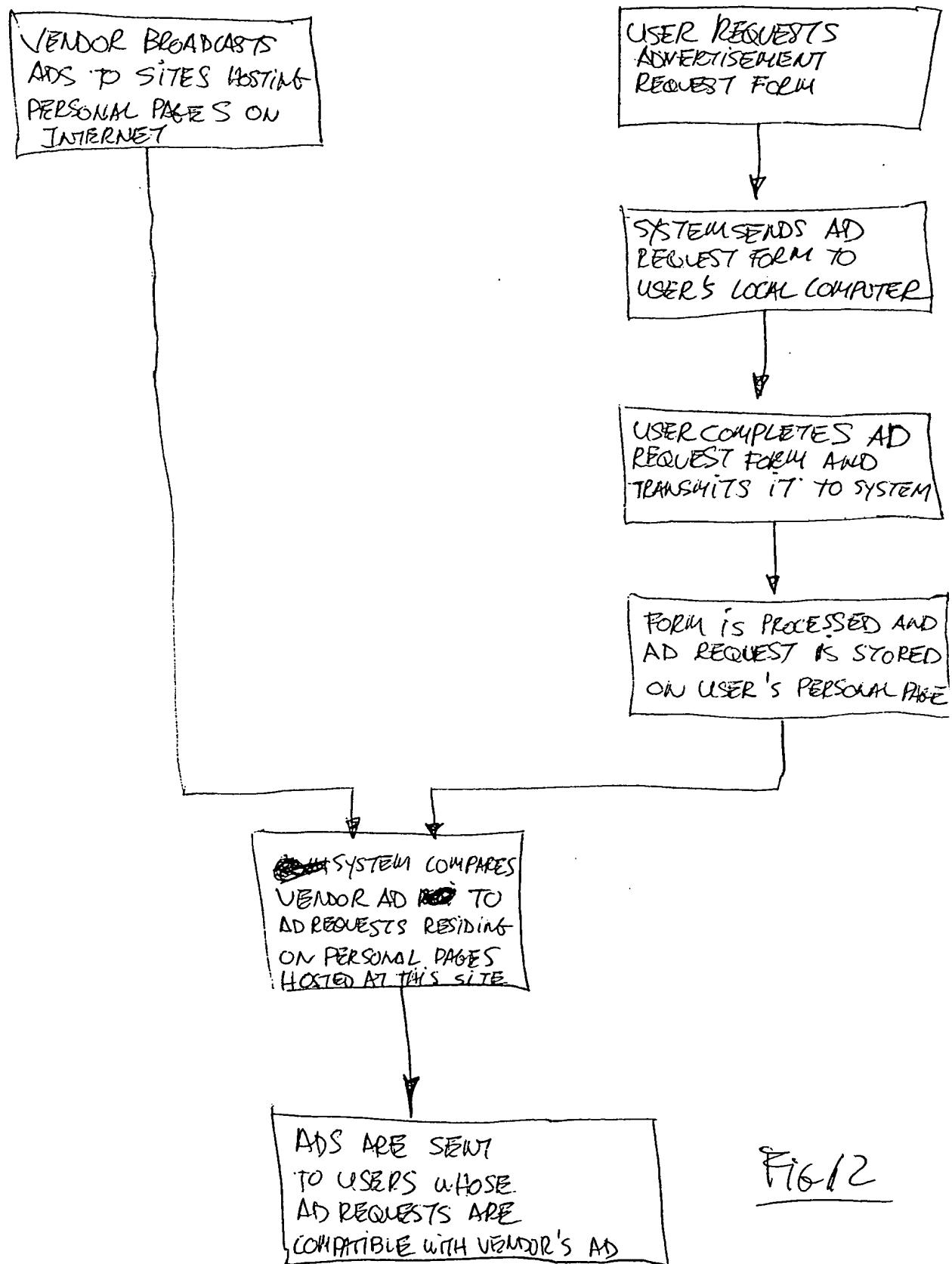


Fig 12

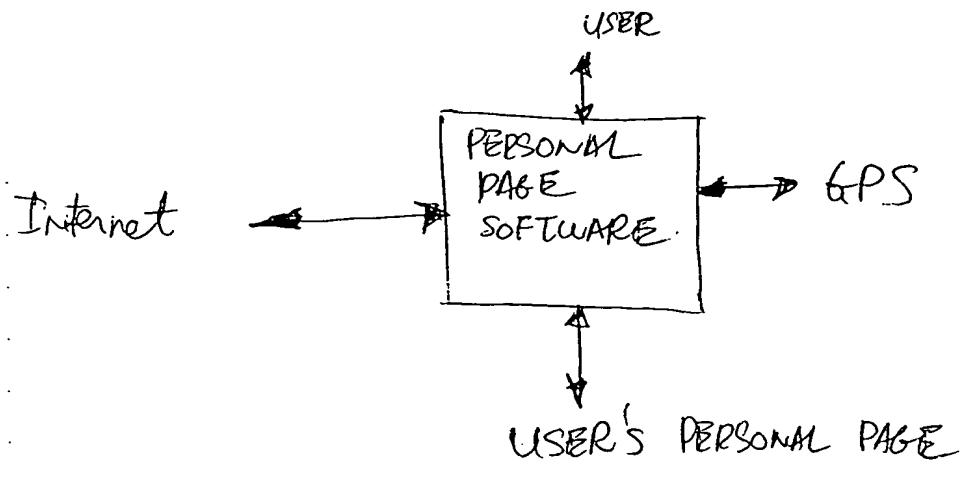


Fig. 13

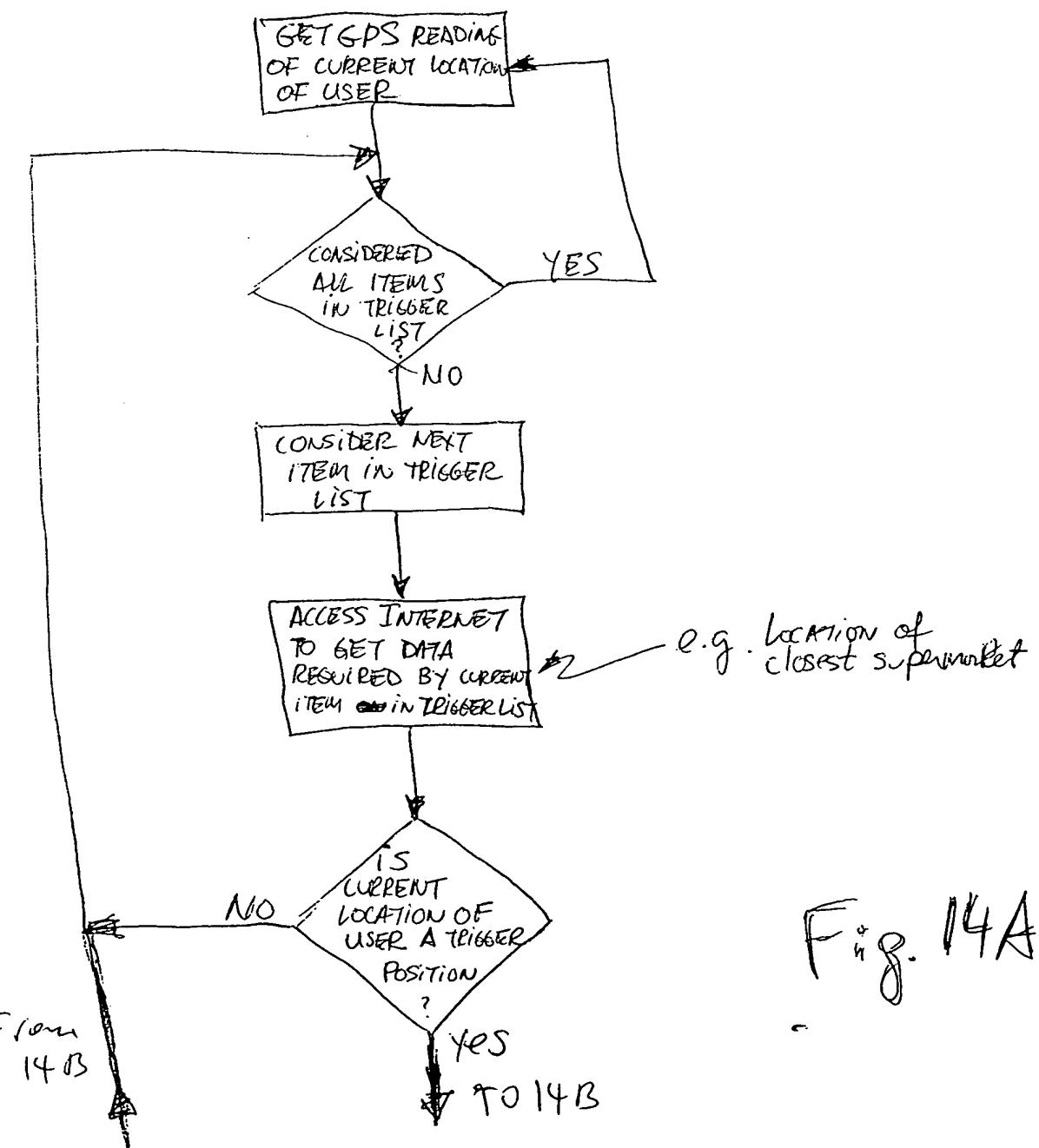


Fig. 14A

6) cont.

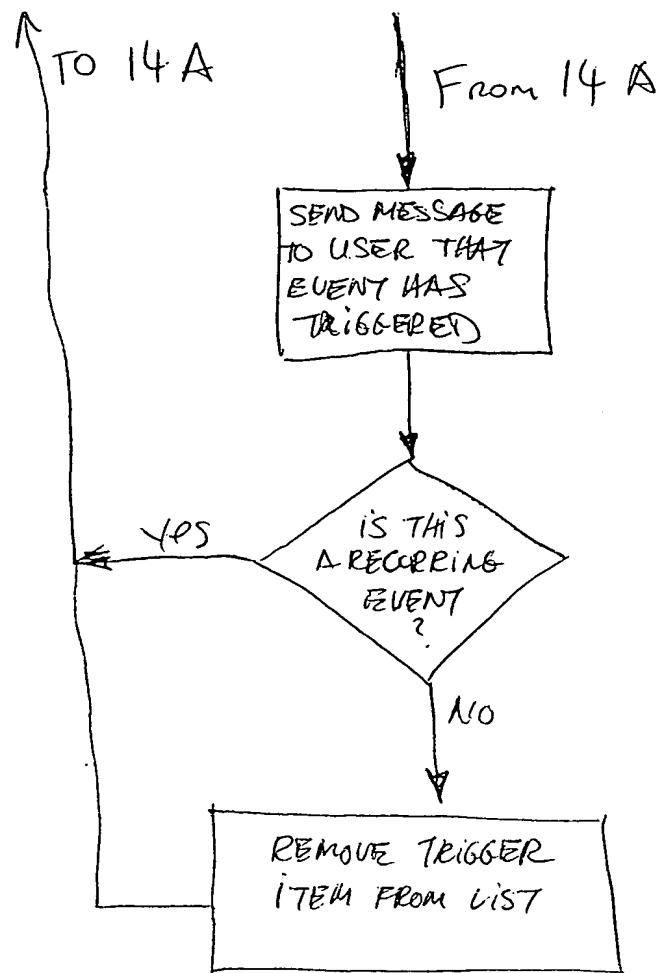
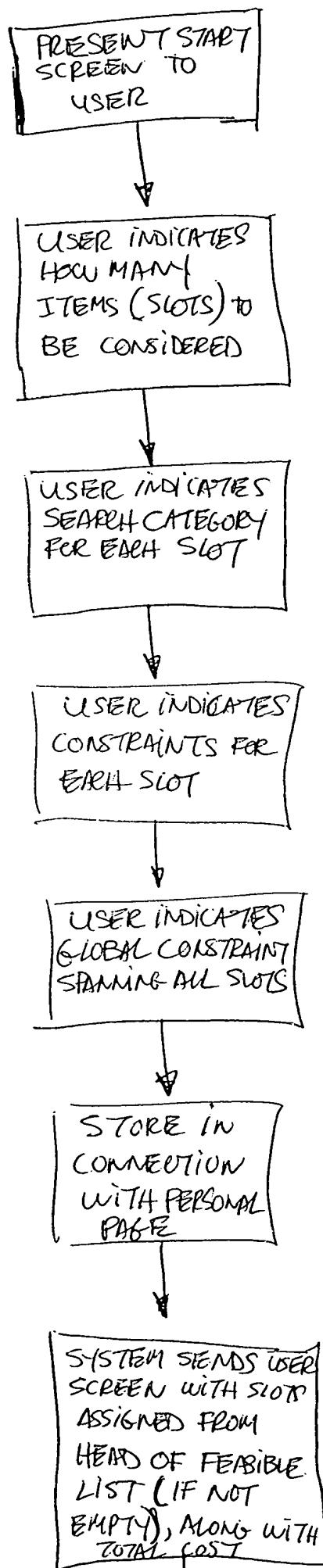


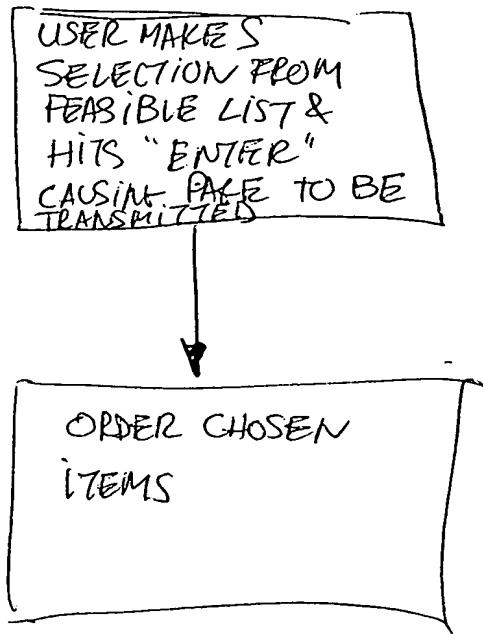
Fig 14 B



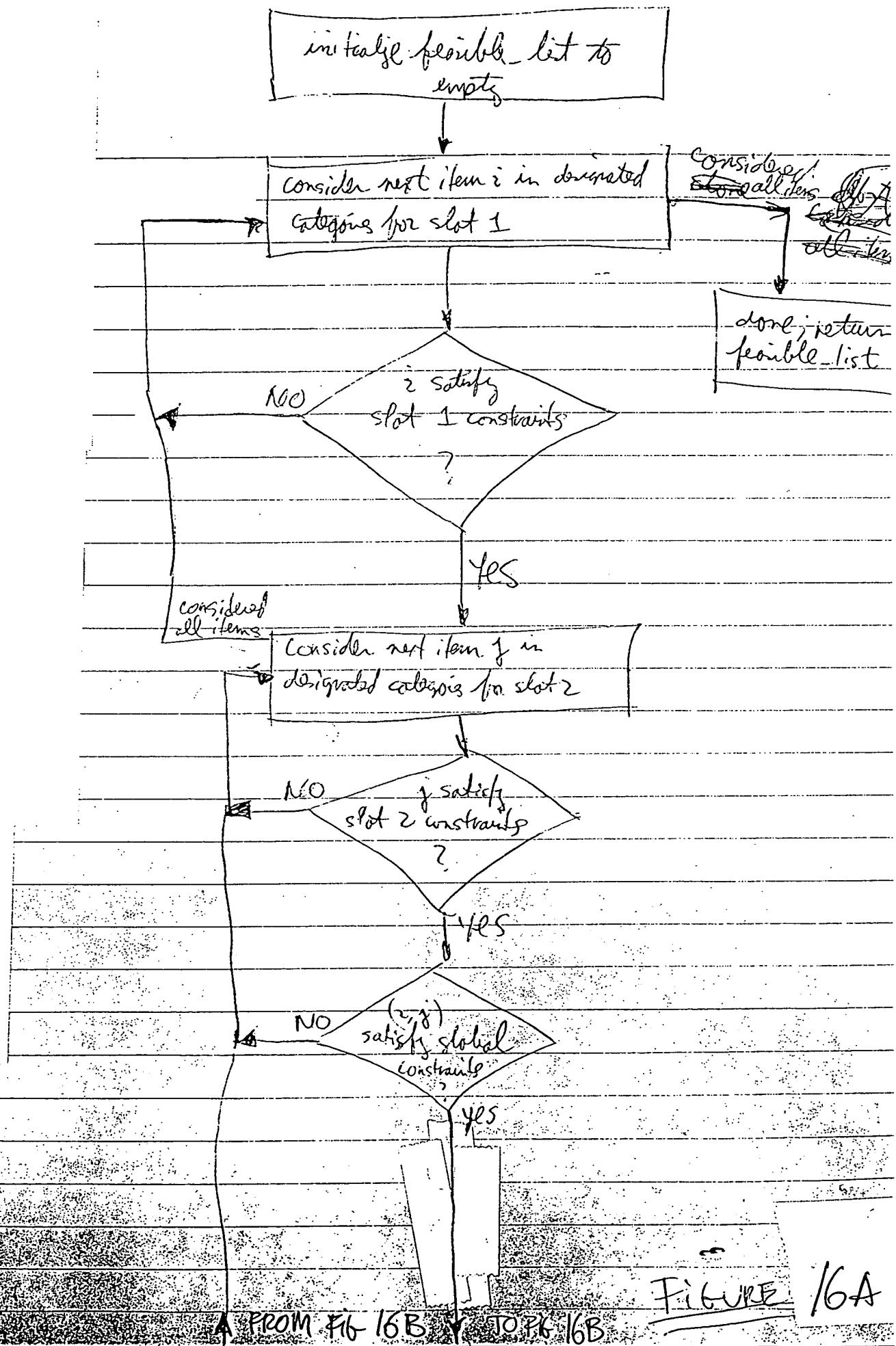
→ TO FIG 15B

FIG 15A

PROM PIG. 15A



P16. 15B



TO FIG. 16A

FROM FIG. 16A

Insert  $(i, j)$  into  
feasible-list using  
 $\text{cost}(i, j)$  or  
priority

no

feasible-list  
full?  
yes

NO

$\text{cost}(i, j)$   
 $\text{cost}(\text{tail})$   
?

Yes

delete tail  
of feasible list

Figure 16B

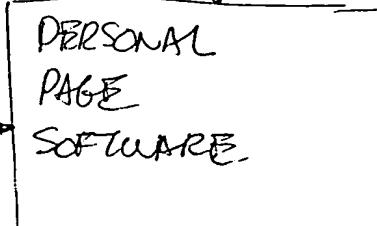
```

feasible_list = empty; // priority queue; cost(a,b) is priority
for (i ranging over item in its designated categories)
    if (i satisfies slot 1 constraint)
        for (j ranging over item in its designated categories)
            if (j satisfies slot 2 constraint)
                if ((i,j) satisfies global constraint)
                    if feasible_list not full
                        and tail cost(i,j)
                            insert (i,j) into feasible_list;
                    else if (cost(i,j) < cost(tail))
                        {
                            delete tail from feasible_list;
                            insert (i,j) into feasible_list;
                            and tail cost(i,j)
                        }
                return (feasible_list);

```

Internet

USER



preferably Inter-  
face

Telephone Com.

Fig 17A

USER'S PERSONAL PAGE

USER AT LOCAL COMPUTER  
CREATES NEW OR  
MODIFIES EXISTING  
SERVICE LOGIC  
PROGRAM (SLP)

SERVICE LOGIC PROGRAM  
IS TRANSLATED TO  
LOWER LANGUAGE EQUIVALENT  
Level

TRANSLATED SLP IS TRANSMITTED  
TO TELEPHONE  
COMPANY

TELEPHONE COMPANY  
INSTALS SLP  
ON TELEPHONE COMPANY  
SWITCHING SYSTEM

TELEPHONE COMPANY  
HANDLES INCOMING CALL  
IN ACCORDANCE WITH  
SLP BY EXECUTING THE SLP

Fig 17B

INCOMING CALL

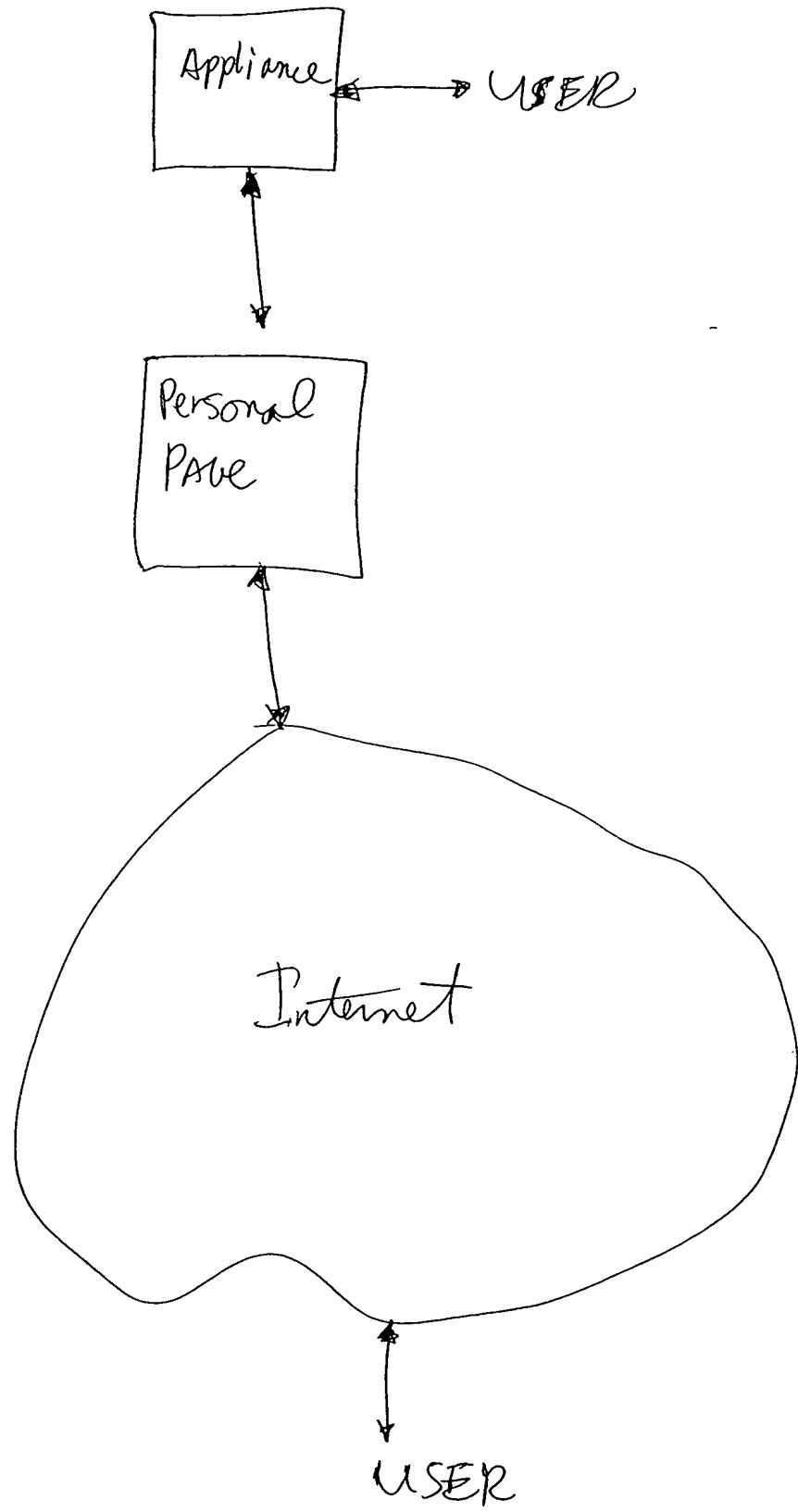


Fig. 18

BR

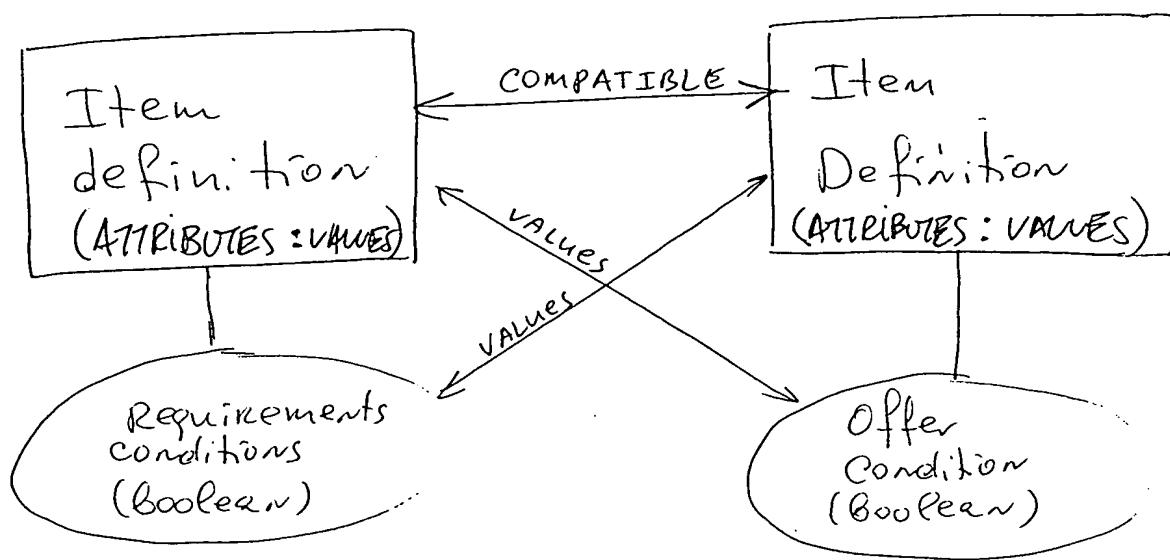


Fig. 19

{ ACCEPT\_BQ || ACCEPT\_VENDOR\_SCRIPT || MATCHMASTER || SERVICE\_SCRIPT\_LIST  
|| SERVICE\_SCRIPT\_LIST }

Fig. 20

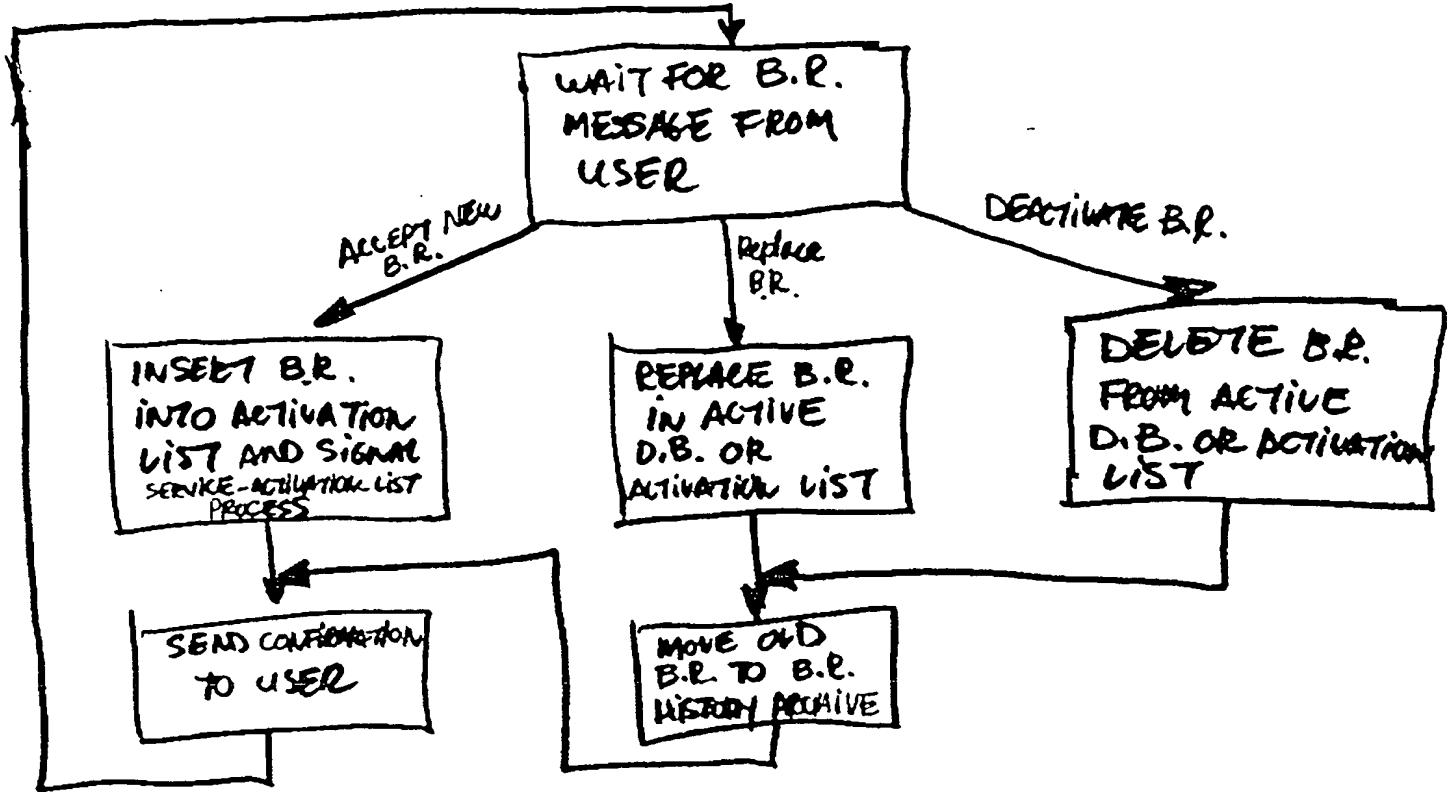


Fig. 21

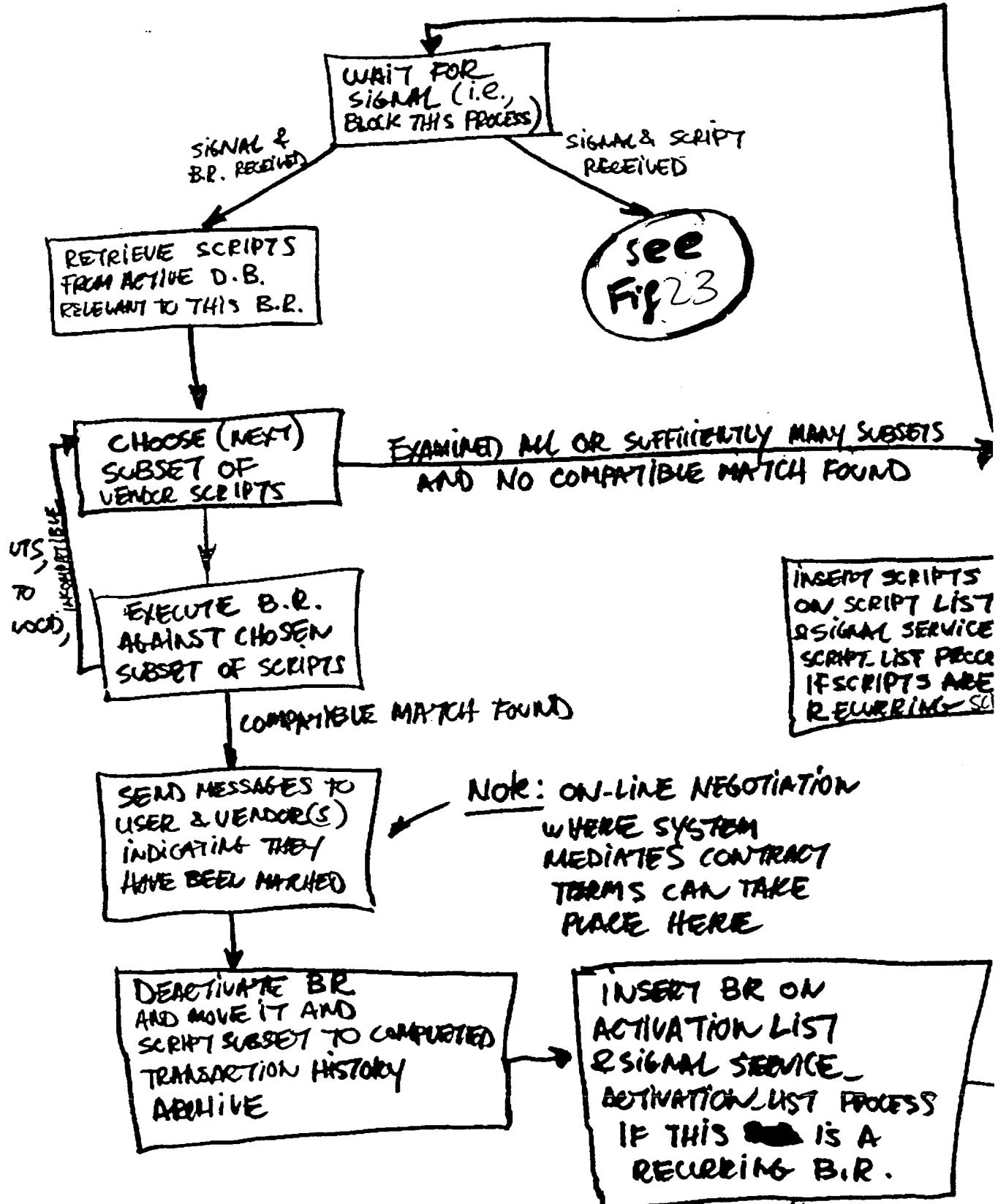


Fig. 22

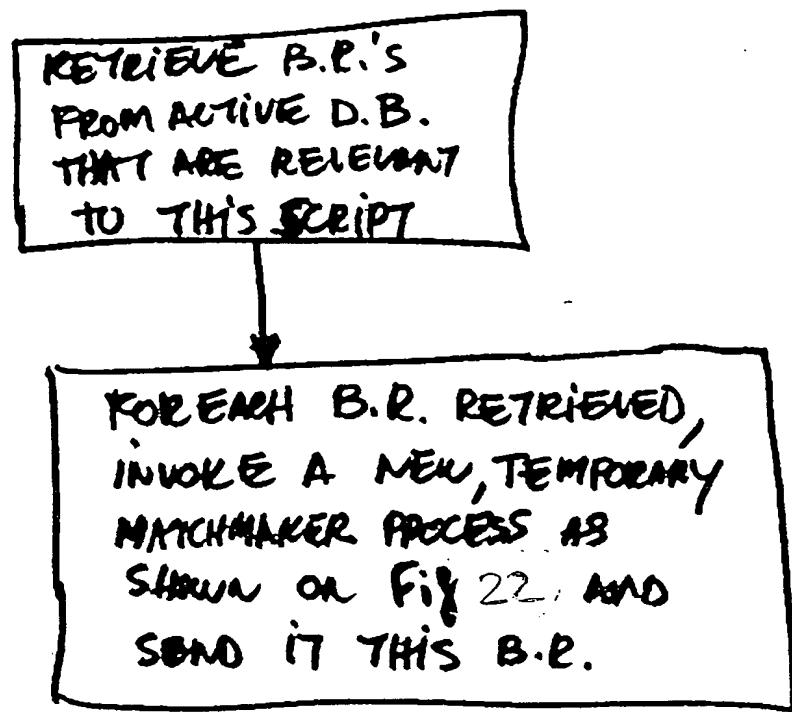


Fig 23

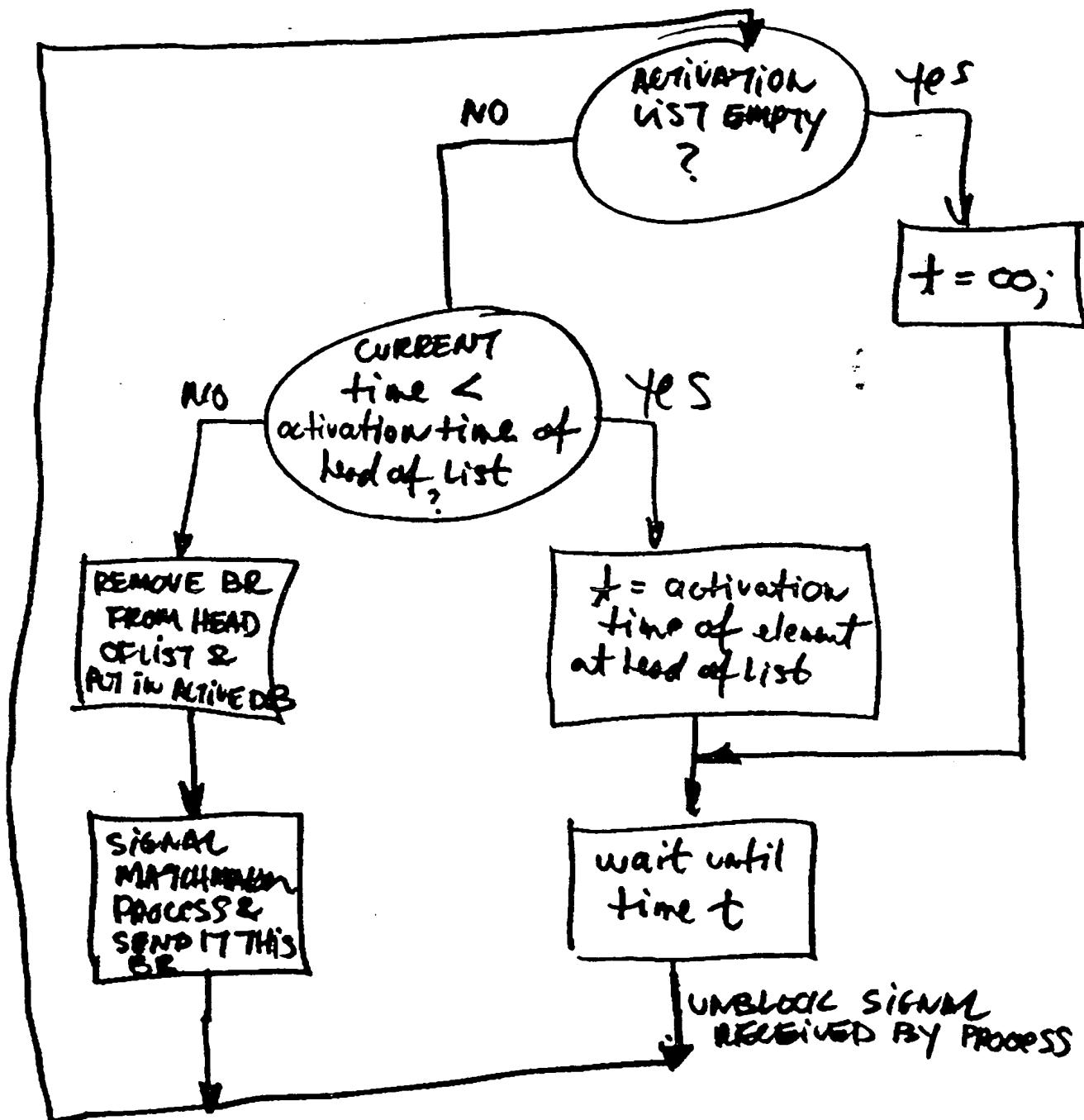


Fig 24